

Review of and Recommendations for Wake County Well Regulations

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Wake County Well Permitting Program

- Operates under Human Services Board Rules
- Permitting private wells since 1987
- Rules last revised and adopted July 24, 2003
- Covers private drinking water wells & irrigation wells
- ~400 new wells permitted annually
- Well permitting integrated into building permit & onsite wastewater permit process

Current Well Program Requirements

- Siting and construction requirements
- Grout inspections
- Bacteria and inorganics testing requirement
- Additional testing required based on site-specific review
- Certificate of Occupancy dependent upon approved compliance samples

Rule Revision Goals

- Correctly reference current state regulations
- Ensure consistency
- Improve compliance sampling requirements to protect public health and ensure efficient permitting .
- Consider other concerns raised by stakeholders

Review Subcommittee

| Name | Affiliation at the time of subcommittee meeting |
|----------------------------|--|
| Dr. Barbara Ann Hughes | Wake County Public Health Committee |
| Brenda Elliot | Wake County Public Health Committee* |
| David Markwood, PE | Wake County Public Health Committee* |
| Margaret Ann Raynor | Wake County Human Services Board |
| George Mathis | Wake County Water Partnership; Well Owner |
| Suzanne Harris | Wake County Water Partnership; HBA of Raleigh- Wake County |
| Dr. Laura Taylor | Wake County Water Partnership; NCSU Economist |
| John Boyette, CWC | Boyette Well & Septic; Past NCGWA President |
| Kevin Letchworth, CWC | N.W. Poole Well & Pump |
| Dr. Joseph Threadcraft, PE | WCES Director |
| Michael Orbon, PE | WCES – Water Quality Director |
| Wilson Mize, REHS | WCES - Groundwater Manager* |
| Evan Kane, PG | WCES – Groundwater Manager |

* - no longer serving

Additional Input

- Wake County Public Health Committee
- Wake County Human Services Board
- Wake County Water Partnership
- NC Department of Health & Human Services
- NC Department of Environmental Quality

Proposed Revisions – Major Categories

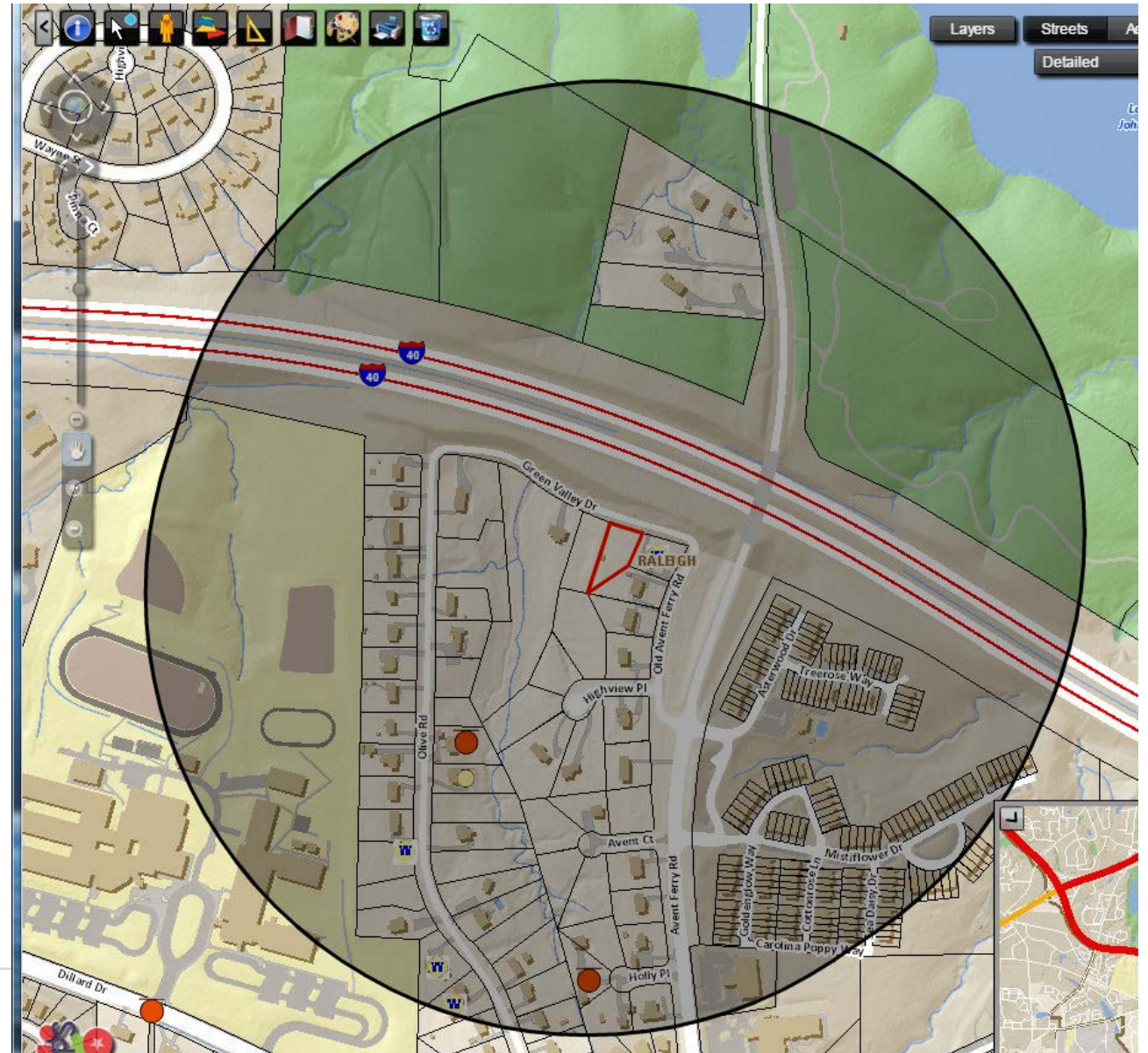
- Revisions to reflect updated state rules
- Updated well testing requirements
- General cleanup of unused terms, wordiness

Updated State Rules

- Adopt by reference:
 - NC Well Construction Standards - revised 2008
 - Permitting and Inspection of Private Drinking Water Wells - new in 2008
 - Private Drinking Water Well Sampling rules – new in 2008
- Contractor bonding & registration
 - Remove bonding requirement - mature state contractor certification program more effective
 - Align contractor registration deadline with state certification deadlines

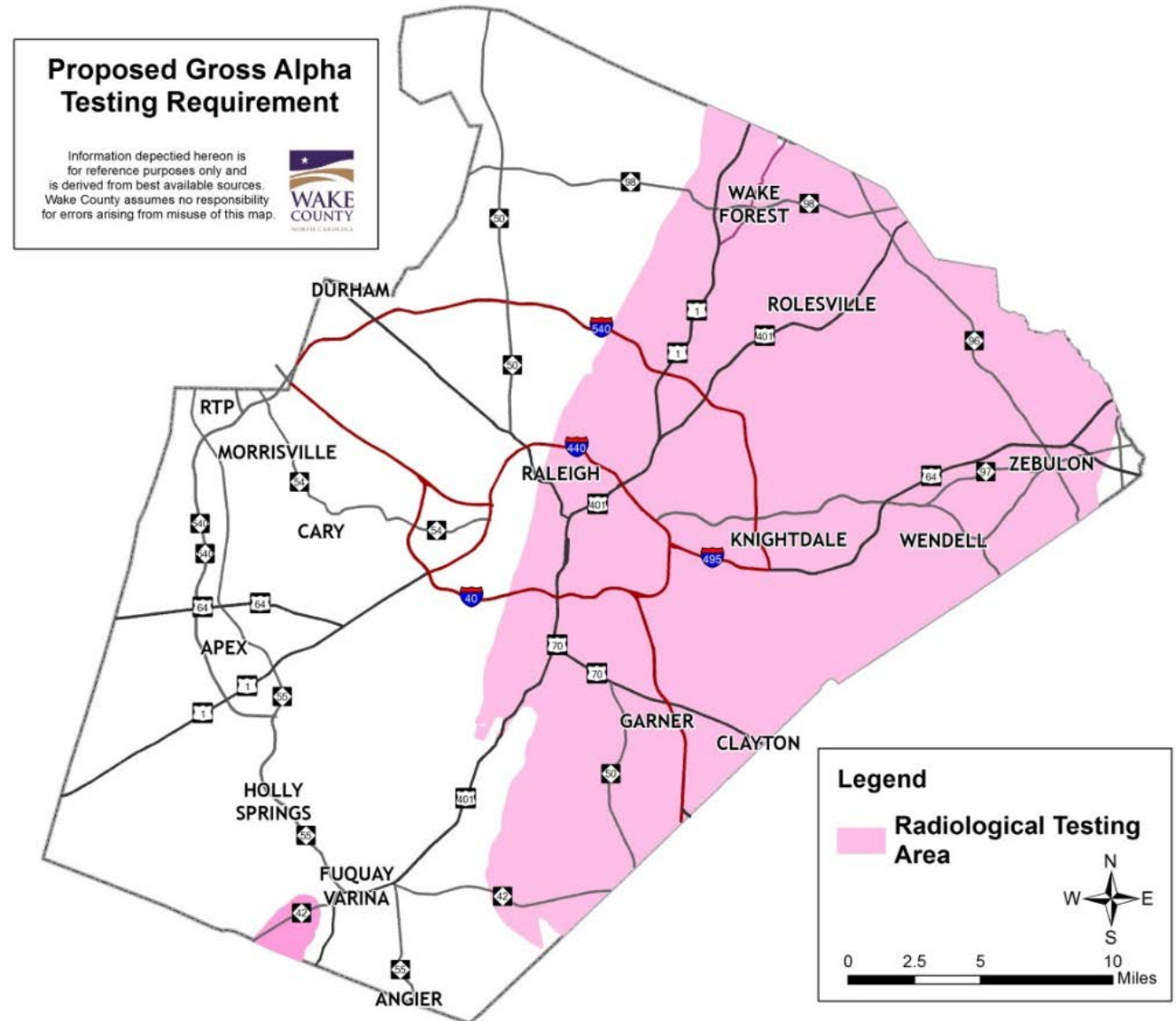
Improved Well Testing Requirements

- Clearly define conditions requiring additional testing
- Anticipate state requirements for notice about known contamination sites
- Add pesticide testing near mid-20th century buildings



Improved Well Testing Requirements

- Add radiological testing requirement in half of county



Next Steps

- Your Comments
- Review and Comment by Board of Commissioners
- Public Notice and Comment
- Adoption by Human Services Board

Discussion